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**ABSTRACT**

A humidification apparatus for humidifying a gas flow to be supplied to a patient or other person in need of such gas is provided. A first temperature sensor is provided for sensing the temperature of the gas flow substantially at an outlet of a humidification chamber and a second temperature sensor is provided for sensing the temperature of the gas flow substantially at the patient end of a conduit. A display is provided for display of temperature information to a user. A controller or processor is configured or programmed to receive input from the temperature sensors and to output a signal to the display to cause a temperature to be displayed to the user which is the lower of the temperature sensed by temperature sensors.